

**From:** [Jay Field](#)  
**To:** [Burt Shephard/R10/USEPA/US@EPA](#); [Eric Blischke/R10/USEPA/US@EPA](#)  
**Cc:** [Robert Neely](#)  
**Subject:** TPH PYO & PTO  
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Burt & Eric,  
have we ever received documentation on the reclassification of TPH samples as PYO and PTO? Is there an analysis to support this that has been distributed? a list of samples with the classification?  
Jay

from BERA Appendix 6, p. 40: "In the Comprehensive Round 2 Site Characterization Summary and Data Gaps Analysis Report (Integral et al. 2007), total petroleum hydrocarbons (TPHs) were identified as being correlated with the detected toxicity in the toxicity tests. The TPH data were later reclassified into pyrogenic (PYO) compounds, petrogenic (PTO) compounds, and other petroleum hydrocarbons; and subsequent analysis determined that PYO and PTO compounds were correlated with the detected toxicity. Because the inclusion of chemicals with good correlations to toxicity in a combined model can mask correlations between toxicity and other chemicals, the best-fitted model for PYO and PTO compounds was retained as a separate model."

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